

Proportional Relationships worksheet

Name _____
Period _____

For each situation decide whether it is proportional or not. Then explain why.

- 1) Tommy was jumping down his sidewalk. He made two jumps every 3 seconds.
Is the relationship between time and his number of jumps proportional? yes / no

Explain: _____

- 2) Susie was saving for a new Ipad. Her dad gave her \$20 for her birthday. After that she earned \$5 per week for helping to clean the kitchen.
Is the relationship between time and her money proportional? yes / no

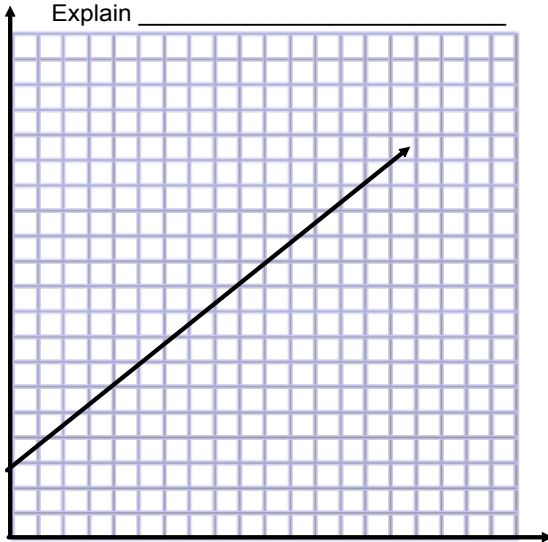
Explain: _____

- 3) Sammi loves candy bars. She ate 1 candy bar on Jan. 1st, 2 on Jan. 2nd, and then 3 candy bars a day every day for the rest of the month.
Is the relationship between the date and her number of eaten candy bars proportional? yes / no

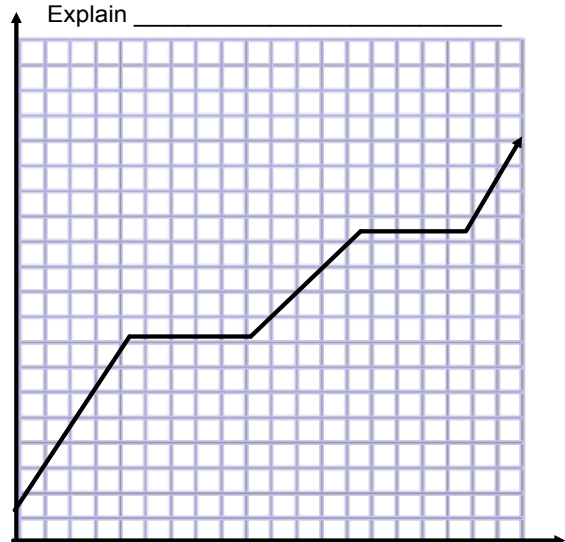
Explain: _____

For each graph decide whether it is proportional or not. Then explain why.

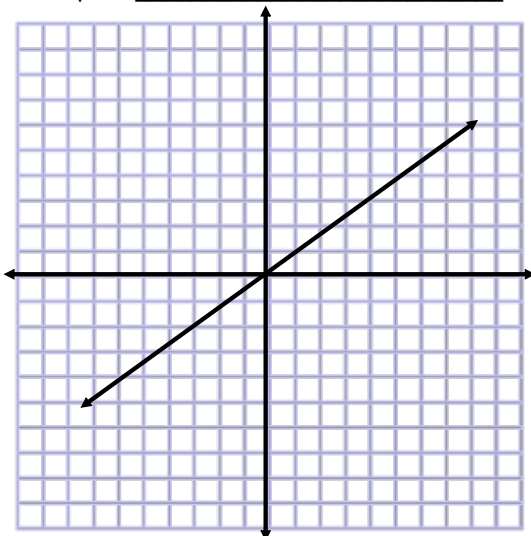
- 4) yes / no
Explain _____



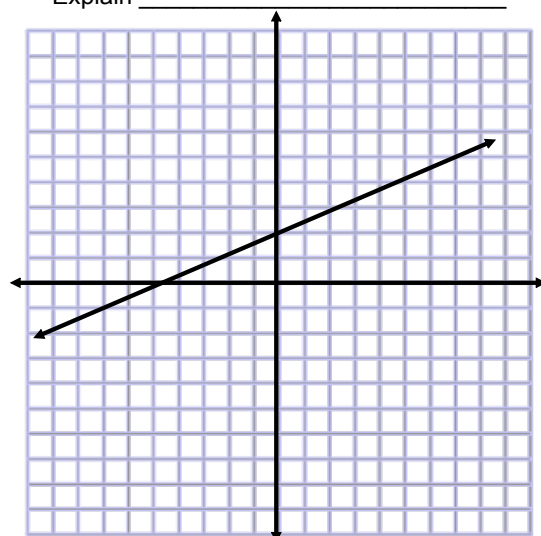
- 5) yes / no
Explain _____



- 6) yes / no
Explain _____



- 7) yes / no
Explain _____



For each equation decide whether it is proportional or not. Then explain why.

8) $y = 5x$
 yes / no
 Explain _____

9) $s = 3k + 7$
 yes / no
 Explain _____

10) $3v - 5 = d$
 yes / no
 Explain _____

11) $w = 7.5b$
 yes / no
 Explain _____

12) $6p = m$
 yes / no
 Explain _____

13) $2g = 4s$
 yes / no
 Explain _____

For each table decide whether it is proportional or not. Then explain why.

14) yes / no
 Explain _____

time	0	1	2	3	4
distance	0	3	6	9	12

15) yes / no
 Explain _____

months	0	1	2	3	4
savings \$	8	10	12	14	16

16) yes / no
 Explain _____

hours	0	1	2	3	4
distance	0	15	25	35	45

17) yes / no
 Explain _____

lemons	4	8	12	16	20
pies	1	2	3	4	5